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SECURITY INFORMATION
CENTRAL INTELLIGENCE AGENCY

REPORT

INFORMATION REPORT

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SUBJECT New Substitute for Zinc in Cotton
ManufacturePLACE
ACQUIREDDATE OF
INFO.

THIS IS UNEVALUATED INFORMATION

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1. Zinc chloride was universally used in China as an antibiotic in the starching of cotton yarns. However, since the zinc ingots came from [redacted] and now are no longer obtainable, a substitute has had to be found.
2. KUC Chan-hsiung (郭展雄) of the North China Weaving and Spinning Control Bureau has discovered that Betanaphtol plus magnesium chloride can be used instead. Both of these chemicals are plentiful in China.
3. The new substance has 85 times stronger anti-biotic effect, but it is not suitable for starch paste made of fermented flour. On the other hand, it is JMP 800 cheaper to use than zinc chloride per piece of cloth dyed. It also appears from the recent experiments that Betanaphtol plus magnesium chloride can be used for dyeing and various other cotton-mill processes.

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